

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH  
PATENT, TRADEMARK & COPYRIGHT ATTORNEYS  
P.O. Box 2938  
Minneapolis, MN 55402  
Telephone (612) 373-6900 Facsimile (612) 339-3061

November 15, 2000

TO: Shawn Hill  
Initial Patent Examining Division  
Washington, D.C. 20231

FROM: Jane E. Brockschink

OUR REF: 884.267US1  
TELEPHONE: (612) 371-2117

**FAX NUMBER 703-308-7751**

**\* Please deliver to Shawn Hill \***

Document(s) Transmitted: Copy of Declaration and Power of Attorney filed in the present application, copy of returned postcard from the PTO for this application.

Total pages of this transmission, including cover letter: 5 pgs  
If you do NOT receive all of the pages described above, please telephone us at 612-373-6900, or fax us at 612-339-3061.

In re. Patent Application of: Kishore K. Chakravorty

Examiner: Unknown

Serial No.: 09/628.705

Group Art Unit: Unknown

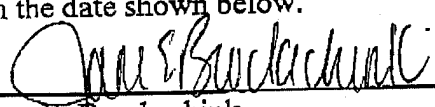
Filed: July 31, 2000

Docket No.: 884.267US1

Title: ELECTRONIC ASSEMBLY COMPRISING INTERPOSER WITH EMBEDDED CAPACITORS AND METHODS OF MANUFACTURE

Please contact me at 612/371-2117 to confirm receipt of this fax. Thank you for your assistance.

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

  
Jane E. Brockschink

11/15/00  
Date of Transmission

In re Patent Application of: Kishore K. Chakravorty  
Title: ELECTRONIC ASSEMBLY COMPRISING INTERPOSER WITH EMBEDDED  
CAPACITORS AND METHODS OF MANUFACTURE  
Attorney Docket No.: 884.267US1

ORD

Receipt is hereby acknowledged for the following in the United States Patent and Trademark Office:

**CONTENTS:** UTILITY PATENT APPLICATION : Specification ( 25 pgs, including claims numbered 1 through 30 and a 1 page Abstract); Formal Drawing(s) ( 3 sheets); Signed Combined Declaration and Power of Attorney ( 1 pgs); Check in the amount of \$1,104.00 to pay the filing fee; Assignment of the invention to Intel Corporation ( 2 pgs) and Recordation Form Cover Sheet; Check in the amount of \$40.00 to pay the Assignment recording fee; Information Disclosure Statement ( 1 pgs); Form 1449 ( 2 pgs) , and copies of cited references ( 16 ) ;return postcard and transmittal sheet.

EXPRESS MAIL LABEL NO. EL600376773US

Mailed: July 31, 2000  
AMM1/jeb1

1c862 U.S. PTO  
09/628705  
07/31/00

Attorney Docket No. 884267US1

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

**United States Patent Application**  
**COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ELECTRONIC ASSEMBLY COMPRISING INTERPOSER WITH EMBEDDED CAPACITORS AND METHODS OF MANUFACTURE.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

JUL-31-2000 10-45

INTEL BUILD GROUP

408 155 0402

F.02/02

Page 2 of 3

Attorney Docket No.: 524267US1

ELECTRONIC ASSEMBLY COMPRISING INTERPOSER WITH EMBEDDED CAPACITORS AND METHODS OF MANUFACTURE

Filing Date: Even Date Herewith

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Aldous, Alan K.  
Anglin, J. Michael  
Bianchi, Timothy E.  
Billino, Richard E.  
Black, David W.  
Brake, R. Edward  
Brascoe, Leonardo M.  
Bresnan, Thomas F.  
Brooks, Edward J., III  
Burke, Ben  
Chen, Otho C.P.  
Clark, Barbara J.  
Dahl, John M.  
Dwyer, Jeffrey S.  
Eckert, Eduardo E.  
Emmerson, Janet E.  
Farr, Cynthia Thomas  
Forsdick, Paul J.  
Forrest, Bradley A.  
Gannon, Owen J.  
Greaves, John N.  
Harris, Robert J.  
Hasebach, Joseph C.  
Jankovich, Paul J.  
Kalin, Jonal M.

Reg. No. 31,905  
Reg. No. 24,916  
Reg. No. 39,610  
Reg. No. 32,836  
Reg. No. 42,331  
Reg. No. 37,784  
Reg. No. 39,832  
Reg. No. 35,075  
Reg. No. 40,925  
Reg. No. 42,572  
Reg. No. 41,676  
Reg. No. 38,107  
Reg. No. 44,639  
Reg. No. 41,000  
Reg. No. 40,594  
Reg. No. 39,665  
Reg. No. 39,973  
Reg. No. 42,346  
Reg. No. 30,837  
Reg. No. 36,143  
Reg. No. 40,362  
Reg. No. 37,346  
Reg. No. 42,673  
Reg. No. 44,813  
Reg. No. 37,650

Kelson, Seth Z.  
Kaplan, David J.  
Kaufman, John D.  
Klima-Solberg, Catherine L.  
Kluth, Daniel J.  
Lacy, Rodney L.  
Lem, Peter  
Lematre, Charles A.  
Lefkowitz, Dana B.  
Lundberg, Steven W.  
Marsaert, Paul L.  
Maki, Peter C.  
Malen, Peter L.  
Mats, Robert E.  
McCrackin, Ann M.  
Minto, Charles A.  
Moore, Charles L., Jr.  
Nann, Kash  
Nelson, Albin J.  
Nielsen, Walter W.  
Novakowski, Leo V.  
Oh, Allen J.  
Pohys, Danny J.  
Park, Ellen

Reg. No. 40,670  
Reg. No. 41,105  
Reg. No. 24,017  
Reg. No. 40,052  
Reg. No. 32,146  
Reg. No. 41,136  
Reg. No. 44,833  
Reg. No. 36,398  
Reg. No. 40,062  
Reg. No. 30,568  
Reg. No. 40,076  
Reg. No. 42,832  
Reg. No. 44,894  
Reg. No. 35,271  
Reg. No. 42,858  
Reg. No. 41,199  
Reg. No. 33,742  
Reg. No. 44,255  
Reg. No. 28,650  
Reg. No. 25,539  
Reg. No. 37,198  
Reg. No. 42,047  
Reg. No. 35,635  
Reg. No. 34,059

Parker, J. Kevin  
Perdok, Monique M.  
Prout, William F.  
Reynolds, Thomas C.  
Schuman, Sherry W.  
Schwegman, Michael L.  
Seitz, John C.  
Siddons, Kenneth M.  
Society, Mark  
Stadman, Steven P.  
Stalder, Howard A.  
Smith, Michael G.  
Speiser, Gary J.  
Steffy, Charles E.  
Su, Gene I.  
Terry, Kathleen R.  
Tong, Viet V.  
Vikins, Ann S.  
Wells, Calvin E.  
Werner, Raymond J.  
Winkler, Robert G.  
Woessner, Warren D.  
Young, Charles K.

Reg. No. 33,074  
Reg. No. 42,989  
Reg. No. 33,995  
Reg. No. 32,488  
Reg. No. 39,422  
Reg. No. 25,816  
Reg. No. 38,613  
Reg. No. 43,105  
Reg. No. 32,299  
Reg. No. 36,279  
Reg. No. 36,008  
Reg. No. 45,368  
Reg. No. 45,453  
Reg. No. 25,179  
Reg. No. 45,140  
Reg. No. 31,884  
Reg. No. 45,416  
Reg. No. 37,748  
Reg. No. 43,256  
Reg. No. 36,752  
Reg. No. 37,474  
Reg. No. 30,440  
Reg. No. 39,435

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:

P.O. Box 2938, Minneapolis, MN 55402  
Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of sole inventor:

Kishore K. Chakravorty

Citizenship:

United States of America

Residence: San Jose, CA

Post Office Address:

6407 Berkwickshire Way  
San Jose, CA 95120

Signature:

Kishore K. Chakravorty  
Kishore K. Chakravorty

Date:

July 28 '2000

Full Name of inventor:

Citizenship:

Post Office Address:

Residence:

Signature:

Date:

TOTAL P.02

07/28/00 15:52 FAX

SCHWEGMAN, LUNDBERG, WOES

0004/040

Attorney Docket No.: 854267US1

Page 3 of 3

ELECTRONIC ASSEMBLY COMPRISING INTERPOSER WITH EMBEDDED CAPACITORS AND METHODS OF MANUFACTURE

Filing Date: Even Date Herewith

## § 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A *prima facie* case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.